

SECTION 02513 - ASPHALTIC CONCRETE PAVING

PART 1 - GENERAL

1.01 GENERAL CONDITIONS

As specified in Section 00700.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Weed killer as specified in Section 02282.
- B. Materials for roads and parking areas shall be in accordance with the below-listed sections of the **State of Hawaii Department of Transportation HAWAII STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND PUBLIC WORKS CONSTRUCTION** dated 1994 and the **Counties STANDARD DETAILS FOR PUBLIC WORKS** dated September 1984 as revised, except as amended in the plans and/or specifications herewith. (Paragraphs concerning Measurements and Payments in the sections are not applicable to this project.) **Where recycled glass is available at a cost no greater than that of the equivalent aggregate, the aggregate base course and subbase course shall contain recycled glass as specified in Section 717.**
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|---|-------------|
| 1. Excavation & Embankment(Subgrade) | Section 203 |
| 2. Aggregate Base Course | Section 304 |
| 3. Aggregate Subbase Course | Section 305 |
| 4. Asphalt Concrete Pavement | Section 401 |
| Mix shall be No. _____ | |
| 5. Tack Coat | Section 407 |
| 6. Prime Coat | Section 408 |
| 7. Aggregate | Section 703 |
| 8. Water | Section 712 |
| 9. Cullet and Cullet-Made Materials . | Section 717 |

NOTES TO ARCHITECT

If your job entails work in a street/highway right-of-way, ensure conformance with the following:

- * City streets - ordinances and standards of the City and County of Honolulu.
- * State and/or Federal - Aid highways - Standards of the State of Hawaii and/or the Federal Government, as applicable.

Delete reference to STANDARD DETAILS FOR PUBLIC WORKS if not applicable and no specific details are referenced.

If **aggregate** subbase course is not required due to soil and grading conditions, omit reference to it.

Design and designate **pavement section** thickness (**i.e. subbase, base course and AC pavement**) on plans to suit wheel load and traffic conditions.

Tailor the use of these specifications to your job.

- * For asphalt concrete, use Mix No. **IV** and No. **V** for roads and parking areas **respectively**. Use Mix No. **V** for resurfacing of existing roads and parking areas. **Use Mix No. III for heavy traffic / delivery areas.**
- * Delete reference to **Tack Coat and Prime Coat** where not applicable to your

NOTES TO ARCHITECT

project. See Note to Architect under paragraph 3.01 B.a. below.

- C. Materials for playcourts, walkways and other foot traffic areas shall be in accordance with the following sections of the **State of Hawaii Department of Transportation HAWAII STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND PUBLIC WORKS CONSTRUCTION** dated 1994 as revised, except as amended in the plans and/or specifications herewith. (Paragraphs concerning Measurements and Payments in the sections are not applicable to this project.) **Where recycled glass is available at a cost no greater than that of the equivalent aggregate, the aggregate base course shall contain recycled glass as specified in Section 717.**

Design and designate **pavement section thickness (base course and AC pavement)** on plans to suit wheel load and traffic conditions.

Delete this paragraph if not applicable to your project.

1. **Excavation & Embankment(Subgrade)** Section 203
2. Aggregate Base Course Section 304
3. Asphalt Concrete Pavement Section 401
- Mix shall be No. V
4. **Tack Coat**..... Section 407
5. Aggregate..... Section 703
6. **Water**..... Section 712
7. **Cullet and Cullet-Made Materials.** Section 717

The Mix. No. V is coarser than the Navy Tennis Court Mix. Therefore, a Finish Wearcoat shall be provided.

- D. Finish wearcoat on playcourts shall be in accordance with Section 02535 - Play Surfacing.

Delete this paragraph if not applicable to your project.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. The Contractor shall stake out the areas to be paved, using grade stakes on which the final finish elevations, base course and subgrade elevations are clearly marked. All such stakes and elevations shall be approved by the Engineer before any work is done.
- B. Road and parking areas and playcourts, walkways and other foot traffic areas. Installation shall be in accordance with the applicable sections noted hereinbefore.
- a. **Application of the prime coat specified above over newly constructed base course will not be required where the longitudinal grade of**

Delete Paragraph B and/or C if not applicable to your project.

Use of MC-30 Prime Coat:
Elimination of the MC-30 under the conditions noted is in response to the impact of its objectionable odor, potential health hazards (especially w/ children) and the potential for the contamination of waterways in the event

NOTES TO ARCHITECT

the pavement is less than 8% or where the asphaltic concrete pavement thickness is greater than 4 inches.

of runoff (e.g. the UH has prohibited the use of the MC-30 on some projects due to the objectionable odors). (cont. on following page)

Where a prime coat is provided, the contractor shall control runoff and protect adjacent work, property, utilities, waterways, etc. against damage. Damaged work, etc. shall be repaired and restored to their original condition at no additional cost to the State.

Use of MC-30 Prime Coat (cont.): The criteria for slope and pavement thickness noted is in accordance with guidance provided by the City & County of Honolulu. However, modify the paragraph to delete the MC-30 if project conditions warrant it (e.g. Even if the criteria noted requires the use of MC-30, delete its use where adjacent classrooms will be occupied during its application. In such cases, the Tack Coat should be used in its place.)

- C. Finish wearcoat on playcourts shall be in accordance with Section 02535 - Play Surfacing.
- D. Existing weed growth shall be treated with weed killer prior to paving. Weed killer shall be applied per the manufacturer's directions.
- E. The Contractor shall notify the Engineer 24 hours in advance before application of weed killer.

3.02 REPAIR OF EXISTING A.C. PAVEMENTS

Any existing asphaltic concrete pavements including roads, playcourts and walkways that have been damaged by construction activities shall be repaired to the original condition and to the satisfaction of the Engineer. Damage done by heavy equipment, especially on roads and yards not stable for such equipment, shall be repaired to the original condition and to the satisfaction of the Engineer.

END OF SECTION